CUBIT Capability Proposal

Technical Area
Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead
Cubit Developer in charge of technical area

Geometry	**Byron Hanks**

MRD Description
Describe the capability in terms of how a user would see it.

More detailed error report available from 'validate' command.

SRS Description
What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

Print out error statements produced from ACIS checker (validate command)

Justification
Describe why this is important and what impact it will have if it is implemented. (or not implemented).

Sometimes it is of benefit to see the true ACIS errors in your acis model. Currently CUBIT hides the real errors that ACIS issues in the validate command and only reports that a piece of geometry is "bad". Sometimes this information could be of benefit to users but I had this in mind mostly for developers' purposes. Currently, if I get a bad ACIS model, I have to import it into ACIS' test harness Scheme to get this more detailed error information. It would be nice to have this available in CUBIT.

Resources Who will work on this	**Time estimate** How much time will it take in man-weeks	**Targeted Release** 10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)
Corey Ernst	2-5 days	10.2

Submitted By:	**Date:**
Corey Ernst	03/22/06